METHOD FOR DETERMINING AN OUTPUT VALUE HAVING A LOWEST ERROR VALUE FROM AN INPUT VALUE

Abstract

The present invention teaches a method for generating an output value corresponding to an input value via a first function comprising a first section and a second section with the use of a lookup table, comprising:prestoring a plurality of first sampling points corresponding only to a third section of a second function, wherein the second function further includes a fourth section and there is a first mathematical transformation between the first function and the second function; receiving the input value corresponding to the first section; generating the output value based on at least one of the first sampling points through performing the first mathematical transformation on the first sampling point; and outputting the output value.